



2022 Heliophysics Explorers Program SMEX Step 2 Kickoff Meeting Safety & Mission Assurance

Joe Calabrese
Explorers Program
Chief Safety & Mission Assurance Officer (CSO)

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Safety & Mission Assurance (1 of 2)



- Mission Risk Classification is defined as D per NPR 8705.4
 - Science Mission Directorate (SMD) Mission Assurance Requirements (MAR)
 - Class D MAR Released April 2021
 - SMD Policy Document SPD-39
 - Implementation of the MAR will be defined in the Mission Assurance Implementation Plan (MAIP)
 - A draft MAR Compliance Matrix and MAIP to be developed during Phase A and delivered with the concept study report.
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Safety & Mission Assurance (2 of 2)



- MAIP can be based on existing organizational practices if compliant to MAR requirements
 - List of expected deviations to the MAR is required
 - Deviations should be captured in the compliance matrix and can be addressed in the MAIP if adequately documented
 - List of potential radioactive materials are required
 - A well documented MAR Compliance Matrix and MAIP are invaluable
 - Additional SMA Requirements may be levied by the access to space provider (ISS, spacecraft host, rideshare provider, etc.)
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